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RAW SEQUENCE LISTING DATE: 05/08/2002 PATENT APPLICATION: US/10/027,400 TIME: 09:15:21

Input Set : N:\Crf3\RULE60\10027400.raw
Output Set: N:\CRF3\05082002\J027400.raw

SEQUENCE LISTING

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3 (1) GENERAL INFORMATION:
      5
             (i) APPLICANT: WILLIAMS, Lewis T.
      6
                            ESCOBEDO, Jaime A.
            (ii) TITLE OF INVENTION: PLATELET-DERIVED GROWTH FACTOR RECEPTORS
      8
     10
           (iii) NUMBER OF SEQUENCES: 14
     12
            (iv) CORRESPONDENCE ADDRESS:
     13
                  (A) ADDRESSEE: Townsend and Townsend and Crew
                  (B) STREET: One Market, Steuart Street Tower, 20th Floor
     14
     15
                  (C) CITY: San Francisco
     16
                  (D) STATE: California
     17
                  (E) COUNTRY: USA
                                                              ENTERED
     18
                  (F) ZIP: 94105
     20
             (V) COMPUTER READABLE FORM:
     21
                  (A) MEDIUM TYPE: Floppy disk
                  (B) COMPUTER: IBM PC compatible
     22
     23
                  (C) OPERATING SYSTEM: PC-DOS/MS-DOS
                  (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
     24
            (vi) CURRENT APPLICATION DATA:
     26
C--> 27
                  (A) APPLICATION NUMBER: US/10/027,400
C--> 28
                  (B) FILING DATE: 19-Dec-2001
     29
                  (C) CLASSIFICATION:
     35
           (vii) PRIOR APPLICATION DATA:
     32
                  (A) APPLICATION NUMBER: US/08/461,917
                  (B) FILING DATE: 05-JUN-1995
     33
     36
                  (A) APPLICATION NUMBER: US 07/151,414
     37
                  (B) FILING DATE: 02-FEB-1988
     39
          (viii) ATTORNEY/AGENT INFORMATION:
     40
                  (A) NAME: Dow, Karen B.
     41
                  (B) REGISTRATION NUMBER: 29,684
                  (C) REFERENCE/DOCKET NUMBER: 2307K-267-2-4
     42
     44
            (ix) TELECOMMUNICATION INFORMATION:
     45
                  (A) TELEPHONE: 415/326-2400
     46
                  (B) TELEFAX: 415/326-2422
     49 (2) INFORMATION FOR SEQ ID NO: 1:
             (i) SEQUENCE CHARACTERISTICS:
     51
     52
                  (A) LENGTH: 6373 base pairs
     53
                  (B) TYPE: nucleic acid
     54
                  (C) STRANDEDNESS: single
     55
                  (D) TOPOLOGY: linear
            (ii) MOLECULE TYPE: cDNA
     57
            (ix) FEATURE:
     60
     61
                  (A) NAME/KEY: CDS
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| 62 (B) LOCATION: 1293398 | | | | | | |
|---|----------------|--|--|--|--|--|
| 65 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1: | 300 60 | | | | | |
| 67 TTGGAGCTAC AGGGAGAGAA ACAGAGGAGG AGACTGCAAG AGATCATTGG AGGCCGTG | | | | | | |
| 69 CACGCTCTTT ACTCCATGTG TGGGACATTC ATTGCGGAAT AACATCGGAG GAGAAGTT | | | | | | |
| 71 CCAGAGCT ATG GGG ACT TCC CAT CCG GCG TTC CTG GTC TTA GGC TGT CT | | | | | | |
| 72 Met Gly Thr Ser His Pro Ala Phe Leu Val Leu Gly Cys Le | a | | | | | |
| 73 1 5 10 | | | | | | |
| 75 CTC ACA GGG CTG AGC CTA ATC CTC TGC CAG CTT TCA TTA CCC TCT ATC | | | | | | |
| 76 Leu Thr Gly Leu Ser Leu Ile Leu Cys Gln Leu Ser Leu Pro Ser Ile | | | | | | |
| 77 15 20 25 30 |) | | | | | |
| 79 CTT CCA AAT GAA AAT GAA AAG GTT GTG CAG CTG AAT TCA TCC TTT TCT | 266 | | | | | |
| 80 Leu Pro Asn Glu Asn Glu Lys Val Val Gln Leu Asn Ser Ser Phe Ser | • | | | | | |
| 81 35 40 45 | | | | | | |
| 83 CTG AGA TGC TTT GGG GAG AGT GAA GTG AGC TGG CAG TAC CCC ATG TCT | r 314 | | | | | |
| 84 Leu Arg Cys Phe Gly Glu Ser Glu Val Ser Trp Gln Tyr Pro Met Ser | : | | | | | |
| 85 | | | | | | |
| 87 GAA GAA GAG AGC TCC GAT GTG GAA ATC AGA AAT GAA GAA AAC AAC AGC | 362 | | | | | |
| 88 Glu Glu Glu Ser Ser Asp Val Glu Ile Arg Asn Glu Glu Asn Asn Ser | • | | | | | |
| 89 65 70 75 | • | | | | | |
| 91 GGC CTT TTT GTG ACG GTC TTG GAA GTG AGC AGT GCC TCG GCG GCC CAC | 410 | | | | | |
| 92 Gly Leu Phe Val Thr Val Leu Glu Val Ser Ser Ala Ser Ala Ala His | | | | | | |
| 93 80 85 90 | | | | | | |
| 95 ACA GGG TTG TAC ACT TGC TAT TAC AAC CAC ACT CAG ACA GAA GAG AAT | 458 | | | | | |
| 96 Thr Gly Leu Tyr Thr Cys Tyr Tyr Asn His Thr Gln Thr Glu Glu Asn | | | | | | |
| 97 95 100 105 105 110 010 1110 010 | | | | | | |
| 99 GAG CTT GAA GGC AGG CAC ATT TAC ATC TAT GTG CCA GAC CCA GAT GTA | | | | | | |
| 100 Glu Leu Glu Gly Arg His Ile Tyr Ile Tyr Val Pro Asp Pro Asp Va | | | | | | |
| | 1.1 | | | | | |
| | AT 554 | | | | | |
| 103 GCC TTT GTA CCT CTA GGA ATG ACG GAT TAT TTA GTC ATC GTG GAG GA | | | | | | |
| 104 Ala Phe Val Pro Leu Gly Met Thr Asp Tyr Leu Val Ile Val Glu As | , b | | | | | |
| 105 130 135 140 | 7m | | | | | |
| 107 GAT GAT TCT GCC ATT ATA CCT TGT CGC ACA ACT GAT CCC GAG ACT CC | | | | | | |
| 108 Asp Asp Ser Ala Ile Ile Pro Cys Arg Thr Thr Asp Pro Glu Thr Pr | .Ό | | | | | |
| 109 145 150 155 | | | | | | |
| 111 GTA ACC TTA CAC AAC AGT GAG GGG GTG GTA CCT GCC TCC TAC GAC AG | | | | | | |
| 112 Val Thr Leu His Asn Ser Glu Gly Val Val Pro Ala Ser Tyr Asp Se | er . | | | | | |
| 113 160 165 170 | | | | | | |
| 115 AGA CAG GGC TTT AAT GGG ACC TTC ACT GTA GGG CCC TAT ATC TGT GA | | | | | | |
| 116 Arg Gln Gly Phe Asn Gly Thr Phe Thr Val Gly Pro Tyr Ile Cys Gl | | | | | | |
| 117 175 180 185 19 |) 0 | | | | | |
| 119 GCC ACC GTC AAA GGA AAG AAG TTC CAG ACC ATC CCA TTT AAT GTT TA | AT 746 | | | | | |
| 120 Ala Thr Val Lys Gly Lys Lys Phe Gln Thr Ile Pro Phe Asn Val Ty | r | | | | | |
| 121 195 200 205 | | | | | | |
| 123 GCT TTA AAA GCA ACA TCA GAG CTG GAT CTA GAA ATG GAA GCT CTT AA | AA 794 | | | | | |
| 124 Ala Leu Lys Ala Thr Ser Glu Leu Asp Leu Glu Met Glu Ala Leu Ly | <i>7</i> S | | | | | |
| 125 210 215 220 | | | | | | |
| 127 ACC GTG TAT AAG TCA GGG GAA ACG ATT GTG GTC ACC TGT GCT GTT TT | TT 842 | | | | | |
| 128 Thr Val Tyr Lys Ser Gly Glu Thr Ile Val Val Thr Cys Ala Val Ph | ne | | | | | |
| 129 225 230 235 | | | | | | |

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| 131 | AAC | AAT | GAG | GTG | GTT | GAC | CTT | CAA | TGG | ACT | TAC | CCT | GGA | GAA | GTG | AAA | 890 |
|-------------|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 132 | Asn | Asn | Glu | Val | Val | Asp | Leu | Gln | Trp | Thr | Tyr | Pro | Gly | Glu | Val | Lys | |
| 133 | | 240 | | | | | 245 | | | | | 250 | | | | | |
| 135 | GGC | AAA | GGC | ATC | ACA | ATG | CTG | GAA | GAA | ATC | AAA | GTC | CCA | TCC | ATC | AAA | 938 |
| 136 | Gly | Lys | Gly | Ile | Thr | Met | Leu | Glu | Glu | Ile | Lys | Val | Pro | Ser | Ile | Lys | |
| 137 | 255 | | | | | 260 | | | | | 265 | | | | | 270 | |
| 139 | TTG | GTG | TAC | ACT | TTG | ACG | GTC | CCC | GAG | GCC | ACG | GTG | AAA | GAC | AGT | GGA | 986 |
| 140 | Leu | Val | Tyr | Thr | Leu | Thr | Val | Pro | Glu | Ala | Thr | Val | Lys | Asp | Ser | Gly | |
| 141 | | | | | 275 | | | | | 280 | | | | | 285 | | |
| 143 | \mathtt{GAT} | TAC | GAA | TGT | GCT | GCC | CGC | CAG | GCT | ACC | AGG | GAG | GTC | AAA | GAA | ATG | 1034 |
| 144 | Asp | Tyr | Glu | Cys | Ala | Ala | Arg | Gln | Ala | Thr | Arg | Glu | Val | Lys | Glu | Met | |
| 145 | | | | 290 | | | | | 295 | | | | | 300 | | | |
| 147 | AAG | AAA | GTC | ACT | ATT | TCT | GTC | CAT | GAG | AAA | GGT | TTC | ATT | GAA | ATC | AAA | 1082 |
| 148 | Lys | Lys | Val | Thr | Ile | Ser | Val | His | Glu | Lys | Gly | Phe | Ile | Glu | Ile | Lys | |
| 149 | | | 305 | | | | | 310 | | | | | 315 | | | | |
| 151 | CCC | ACC | TTC | AGC | CAG | TTG | GAA | GCT | GTC | AAC | CTG | CAT | GAA | GTC | AAA | CAT | 1130 |
| 152 | Pro | Thr | Phe | Ser | Gln | Leu | Glu | Ala | Val | Asn | Leu | His | Glu | Val | Lys | His | |
| 153 | | 320 | | | | | 325 | | | | | 330 | | | | | |
| 155 | TTT | GTT | GTA | GAG | GTG | CGG | GCC | TAC | CCA | CCT | CCC | AGG | ATA | TCC | TGG | CTG | 1178 |
| 156 | Phe | Val | Val | Glu | Val | Arg | Ala | Tyr | Pro | Pro | Pro | Arg | Ile | Ser | Trp | Leu | |
| 157 | 335 | | | | | 340 | | | | | 345 | _ | | | | 350 | |
| 159 | AAA | AAC | TAA | CTG | ACT | CTG | ATT | GAA | AAT | CTC | ACT | GAG | ATC | ACC | ACT | GAT | 1226 |
| 160 | Lys | Asn | Asn | Leu | Thr | Leu | Ile | Glu | Asn | Leu | Thr | Glu | Ile | Thr | Thr | Asp | |
| 161 | - | | | | 355 | | | | | 360 | | | | | 365 | _ | |
| 163 | GTG | GAA | AAG | ATT | CAG | GAA | ATA | AGG | TAT | CGA | AGC | AAA | ATT | AAG | CTG | ATC | 1274 |
| 164 | Val | Glu | Lys | Ile | Gln | Glu | Ile | Arg | Tyr | Arg | Ser | Lys | Leu | Lys | Leu | Ile | |
| 165 | | | _ | 370 | | | | | 375 | _ | | | | 380 | | | |
| 167 | CGT | GCT | AAG | GAA | GAA | GAC | AGT | GGC | CAT | TAT | ACT | ATT | GTA | GCT | CAA | AAT | 1322 |
| 168 | Arg | Ala | Lys | Glu | Glu | Asp | Ser | Gly | His | Tyr | Thr | Ile | Val | Ala | Gln | Asn | |
| 169 | 3 | | 385 | | | _ | | 390 | | - | | | 395 | | | | |
| 171 | GAA | GAT | GCT | GTG | AAG | AGC | TAT | ACT | TTT | GAA | CTG | TTA | ACT | CAA | GTT | CCT | 1370 |
| 172 | Glu | Asp | Ala | Val | Lys | Ser | Tyr | Thr | Phe | Glu | Leu | Leu | Thr | Gln | Val | Pro | |
| 173 | | 400 | | | - | | 405 | | | | | 410 | | | | | |
| 17 5 | TCA | TCC | ATT | CTG | GAC | TTG | GTC | GAT | GAT | CAC | CAT | GGC | TCA | ACT | GGG | GGA | 1418 |
| 176 | Ser | Ser | Ile | Leu | Asp | Leu | Val | Asp | Asp | His | His | Gly | Ser | Thr | Gly | Gly | |
| 177 | 415 | | | | | 420 | | | | | 425 | | | | | 430 | |
| 179 | CAG | ACG | GTG | AGG | TGC | ACA | GCT | GAA | GGC | ACG | CCG | CTT | CCT | GAT | TTA | GAG | 1466 |
| 180 | Gln | Thr | Val | Arg | Cys | Thr | Ala | Glu | Gly | Thr | Pro | Leu | Pro | Asp | Ile | G1u | |
| 181 | | | | _ | 435 | • | | | _ | 440 | | | | _ | 445 | | |
| 183 | TGG | ATG | ATA | TGC | AAA | GAT | ATT | AAG | AAA | TGT | AAT | AAT | GAA | ACT | TCC | TGG | 1514 |
| 184 | Trp | Met | Ile | Cys | Lys | Asp | Ile | Lys | Lys | Cys | Asn | Asn | Glu | Thr | Ser | Trp | |
| 185 | - | | | 450 | _ | - | | _ | 455 | _ | | | | 460 | | _ | |
| 187 | ACT | ATT | TTG | GCC | AAC | ААТ | GTC | TCA | AAC | ATC | ATC | ACG | GAG | ATC | CAC | TCC | 1562 |
| 188 | Thr | Ile | Leu | Ala | Asn | Asn | Val | ser | Asn | Ile | Ile | Thr | Glu | Ile | His | Ser | |
| 189 | | | 465 | | | | | 470 | | | | | 475 | | | | |
| | CGA | GAC | | AGT | ACC | GTG | GAG | | CGT | GTG | ACT | TTC | GCC | AAA | GTG | GAG | 1610 |
| | | | | | | | | | | | | Phe | | | | | |
| 193 | | 480 | , | | | _ | 485 | _ | , | | Ā | 490 | | - | | | |
| | GAG | | ATC | GCC | GTG | CGA | TGC | CTG | GCT | AAG | AAT | CTC | CTT | GGA | GCT | GAG | 1658 |

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/027,400

DATE: 05/08/2002

TIME: 09:15:21

| | | Thr | Ile | Ala | Val | _ | Cys | Leu | Ala | Lys | | Leu | Leu | Gly | Ala | _ | |
|-----|-----------------|------------|-------|----------------|-----------|-------|-------|-------------|-------------|-------|------|-------|-----------------|-----|-------|---------------|--------------------------|
| | 495 | | | | | 500 | | | | | 505 | | | | ~~~ | 510 | 2706 |
| | | | | | AAG | | | | | | | | | | | _ | 1706 |
| | Asn | Arg | Glu | Leu | Lys | Leu | Val | Ala | Pro | Thr | Leu | Arg | Ser | Glu | | Thr | |
| 201 | | | | | 515 | | | | | 520 | | | | | 525 | | |
| 203 | GTG | GCT | GCT | GCA | GTC | CTG | GTG | CTG | TTG | GTG | ATT | GTG | ATC | ATC | TCA | CTT | 1754 |
| 204 | Val | Ala | Ala | Ala | Val | Leu | Val | Leu | Leu | Val | Ile | Val | Ile | Ile | Ser | Leu | |
| 205 | | | | 530 | | | | | 535 | | | | | 540 | | | |
| 207 | ATT | GTC | CTG | GTT | GTC | ATT | TGG | AAA | CAG | AAA | CCG | AGG | TAT | GAA | ATT | CGC | 1802 |
| 208 | Ile | Val | Leu | Val | Val | Ile | Trp | Lys | Gln | Lys | Pro | Arg | Tyr | Glu | Ile | Arg | |
| 209 | | | 545 | | | | | 550 | | | | | 555 | | | | |
| 211 | TGG | AGG | GTC | ATT | GAA | TCA | ATC | AGC | CCA | GAT | GGA | CAT | GAA | TAT | ATT | TAT | 1850 |
| 212 | Trp | Arq | Val | Ile | Glu | Ser | Ile | Ser | Pro | Asp | Gly | His | Glu | Tyr | Ile | Tyr | |
| 213 | - | 560 | | | | | 565 | | | _ | - | 570 | | - | | - | |
| 215 | GTG | GAC | CCG | ATG | CAG | CTG | CCT | TAT | GAC | TCA | AGA | TGG | GAG | TTT | CCA | AGA | 1898 |
| | | | | | Gln | | | | | | | | | | | | |
| | 575 | | | | | 580 | | -1- | | _ • | 585 | | | | | 590 | |
| | | GGA | СТА | GTG | CTT | | CGG | GTC | ጥጥ G | GGG | | GGA | GCG | ጥጥጥ | GGG | _ | 1946 |
| | | | | | Leu | | | | | | | _ | _ | | _ | | |
| 221 | nop | 0 1 | 204 | , 4.2 | 595 | | 5 | | 204 | 600 | 552 | 0-1 | | | 605 | | |
| | CTC | ுருர | CAA | CCA | ACA | CCC | mΣm | CCA | עיוייי | | ccc | ጥሮር | $C\Delta\Delta$ | ССТ | | Δ ͲC | 1994 |
| | | | | | Thr | | | | | | | | | | _ | | # <i>JJ</i> * |
| 225 | VQI | Vai | GIU | 610 | TIIT | AIG | 1 Y 1 | Gry | 615 | 561 | пту | 501 | GIII | 620 | Val | ricc | |
| | 7. 7. 7. | CMM | C C 3 | | 77 | እ ጠረግ | СШУ | *** | | N C/C | ccc | አ ሮ አ | mcc | | C N N | * * * * | 2042 |
| | | | | | AAG | | | | | | | | | | _ | | 2042 |
| | гух | vai | | val | Lys | Met | ьец | _ | PIO | TIII | Ald | AIG | | 261 | GIU | пур | |
| 229 | <i>(</i> 13.3 | a am | 625 | 3.00 | mam | ~33 | СШС | 630 | 3 (11) 3 | 3 m/c | a am | C7 C | 635 | CCC | 003 | G A M | 2000 |
| | | | | | TCT | | | | | | | | | | | | 2090 |
| | GIn | | Leu | met | Ser | GIU | | гĀ2 | TTE | met | Thr | | ьeu | GIĀ | PIO | HIS | |
| 233 | mm.a | 640 | 3 mm | am. | | mm a | 645 | a a. | 000 | maa | | 650 | m 0.3 | 000 | 999 | 3 6 7m | 0120 |
| | | | | | AAC | | | | | | | | | | | _ | 2138 |
| | | Asn | TTE | val | Asn | | Leu | GTĀ | Ala | Cys | | гуѕ | Ser | GIY | Pro | | |
| | 655 | | | | | 660 | | | | | 665 | | | | | 670 | 0106 |
| | | | | | GAG | | | | | | | | | | | | 2186 |
| | Tyr | Ile | Ile | Thr | Glu | Tyr | Cys | Phe | Tyr | _ | Asp | Leu | Val | Asn | _ | Leu | |
| 241 | | | | | 675 | | | | | 680 | | | | | 685 | | |
| | | | | | GAT | | | | | | | | | | | | 2234 |
| | His | Lys | Asn | _ | Asp | Ser | Phe | Leu | | His | His | Pro | Glu | _ | Pro | Lys | |
| 245 | | | | 690 | | • | | | 695 | | | | | 700 | | | |
| 247 | AAA | GAG | CTG | GAT | ATC | TTT | GGA | TTG | AAC | CCT | GCT | GAT | GAA | AGC | ACA | CGG | 2282 |
| 248 | Lys | Glu | Leu | Asp | Ile | Phe | Gly | Leu | Asn | Pro | Ala | Asp | Glu | Ser | Thr | Arg | |
| 249 | | | 705 | | | | | 710 | | | | | 715 | | | | |
| 251 | AGC | TAT | GTT | ATT | TTA | TCT | TTT | GAA. | AAC | AAT | GGT | GAC | TAC | ATG | GAC | ATG | 2330 |
| 252 | Ser | Tyr | Val | Ile | Leu | Ser | Phe | Glu | Asn | Asn | Gly | Asp | Tyr | Met | Asp | Met | |
| 253 | | 720 | | | | | 725 | | | | | 730 | | | | | |
| 255 | AAG | CAG | GCT | \mathtt{GAT} | ACT | ACA | CAG | TAT | GTC | CCC | ATG | CTA | GAA | AGG | AAA | GAG | 2378 |
| 256 | Lys | Gln | Ala | Asp | Thr | Thr | Gln | Tyr | Val | Pro | Met | Leu | Glu | Arg | Lys | Glu | |
| 257 | 735 | | | | | 740 | | | | | 745 | | | | | 750 | |
| 259 | GTT | TCT | AAA | TAT | TCC | GAC | ATC | CAG | AGA | TCA | CTC | TAT | GAT | CGT | CCA | GCC | 2426 |
| 260 | Val | Ser | Lys | Tyr | Ser | Asp | Ile | Gln | Arg | Ser | Leu | Tyr | Asp | Arg | Pro | Ala | |
| | | | _ | | | - | | | - | | | | - | - | | | |





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| 261 | | | | | 755 | | | | | 760 | | | | | 765 | | | |
|-------------|--------------|---------|------|------|------------|------|---------|-------------|------|----------|-----|-----|------|------|------|-------|---|------|
| 263 | TCA | TAT | AAG | AAG | AAA | TCT | ATG | TTA | GAC | TCA | GAA | GTC | AAA | AAC | | CTT | | 2474 |
| 264 | Ser | Tyr | Lys | Lys | Lys | Ser | Met | Leu | Asp | Ser | Glu | Val | Lvs | Asn | Leu | Leu | | 24/4 |
| 265 | | | | 770 | | | | | 775 | | | | _4 _ | 780 | | | | |
| 267 | TCA | GAT | GAT | AAC | TCA | GAA | GGC | CTT | ACT | TTA | TTG | GAT | TTG | TTG | AGC | TTC | | 2522 |
| 268 | Ser | Asp | Asp | Asn | Ser | Glu | Gly | Leu | Thr | Leu | Leu | Asp | Leu | Leu | Ser | Phe | | |
| 269 | | | 785 | | | | | 790 | | | | • | 795 | | | | | |
| 271 | ACC | TAT | CAA | GTT | GCC | CGA | GGA | ATG | GAG | TTT | TTG | GCT | TCA | AAA | ААТ | TGT | | 2570 |
| 272 | Thr | Tyr | Gln | Val | Ala | Arg | Gly | Met | Glu | Phe | Leu | Ala | Ser | Lys | Asn | Cvs | | 20.0 |
| 273 | | 800 | | | | | 805 | | | | | 810 | | - | | - 2 - | | |
| 275 | GTC | CAC | CGT | GAT | CTG | GCT | GCT | CGC | AAC | GTT | CTC | CTG | GCA | CAA | GGA | AAA | | 2618 |
| 276 | Val | His | Arg | Asp | Leu | Ala | Ala | Arg | Asn | Val | Leu | Leu | Ala | Gln | Gly | Lys | | |
| 277 | 815 | | | | | 820 | | | | | 825 | | | | • | 830 | | |
| 279 | ATT | GTG | AAG | ATC | TGT | GAC | TTT | GGC | CTG | GCC | AGA | GAC | ATC | ATG | CAT | GAT | | 2666 |
| 280 | Ile | Val | Lys | Ile | Cys | Asp | Phe | Gly | Leu | Ala | Arg | Asp | Ile | Met | His | Asp | | |
| 281 | | | | | 835 | | | | | 840 | | | | | 845 | | | |
| 283 | TCG | AAC | TAT | GTG | TCG | AAA | GGC | AGT | ACC | TTT | CTG | CCC | GTG | AAG | TGG | ATG | | 2714 |
| 284 | Ser | Asn | Tyr | Val | Ser | Lys | Gly | Ser | Thr | Phe | Leu | Pro | Val | Lys | Trp | Met | | |
| 285 | | | | 850 | | | | | 855 | | | | | 860 | | | | |
| 287 | GCT | CCT | GAG | AGC | ATC | TTT | GAC | AAC | CTC | TAC | ACC | ACA | CTG | AGT | GAT | GTC | | 2762 |
| 288 | Ala | Pro | Glu | Ser | Ile | Phe | Asp | Asn | Leu | Tyr | Thr | Thr | Leu | Ser | Asp | Val | | |
| 289 | | | 865 | | | | | 870 | | | | | 875 | | | | | |
| 291 | TGG | TCT | TAT | GGC | ATT | CTG | CTC | TGG | GAG | ATC | TTT | TCC | CTT | GGT | GGC | ACC | , | 2810 |
| 292 | Trp | Ser | Tyr | Gly | Ile | Leu | Leu | Trp | Glu | Ile | Phe | Ser | Leu | Gly | Gly | Thr | | |
| 293 | | 880 | | | | | 885 | | | | | 890 | | | | | | |
| | | | | | | | | GAT | | | | | | | | | , | 2858 |
| 296 | Pro | Tyr | Pro | Gly | Met | Met | Val | Asp | Ser | Thr | Phe | Tyr | Asn | Lys | Ile | Lys | | |
| | 895 | | | | | 900 | | | | | 905 | | | | | 910 | | |
| 299 | AGT | GGG | TAC | CGG | ATG | GCC | AAG | CCT | GAC | CAC | GCT | ACC | AGT | GAA | GTC | TAC | 2 | 2906 |
| 300 | Ser | Gly | Tyr | Arg | Met | Ala | Lys | Pro | Asp | His | Ala | Thr | Ser | Glu | Val | Tyr | | |
| 301 | | _ | | | 915 | | | | | 920 | | | | | 925 | | | |
| 303 | GAG | ATC | ATG | GTG | AAA | TGC | TGG | AAC | AGT | GAG | CCG | GAG | AAG | AGA | CCC | TCC | 2 | 2954 |
| 304 | GIu | He | Met | | Lys | Cys | Trp | Asn | Ser | Glu | Pro | Glu | Lys | Arg | Pro | Ser | | |
| 305 | | | | 930 | _ | | | | 935 | | | | | 940 | | | | |
| 307 | TTT | TAC | CAC | CTG | AGT | GAG | ATT | GTG | GAG | AAT | CTG | CTG | CCT | GGA | CAA | TAT | 3 | 3002 |
| 308 | Pne | Tyr | | Leu | Ser | Glu | Ile | Val | Glu | Asn | Leu | Leu | Pro | Gly | Gln | Tyr | | |
| 309 | 7.7.7 | 3 3 C | 945 | | 033 | | | 950 | | | | | 955 | | | | | |
| 31.7 3TT | AAA | AAG | AGT | TAT | GAA | AAA | ATT | CAC | CTG | GAC | TTC | CTG | AAG | AGT | GAC | CAT | 3 | 3050 |
| 312 313 | туѕ | гуs | ser | Tyr | GIU | ьуs | | His | Leu | Asp | Phe | | Lys | Ser | Asp | His | | |
| 313 | CCM | 960 | cmc | 003 | 000 | 3 ma | 965 | | | | | 970 | | | | | | |
| 316 | Dro | BCT Ala | GTG | GCA | CGC | ATG | CGT | GTG | GAC | TCA | GAC | AAT | GCA | TAC | ATT | GGT | 3 | 3098 |
| 317 | 075 | AId | val | Ala | Arg | | Arg | Val | Asp | Ser | | Asn | Ala | Tyr | Ile | Gly | | |
| | | 7 00 | ma a | 777 | 3 3 0 | 980 | | 63.6 | | | 985 | | | | | 990 | | |
| 33V 2T3 | OIC | Mh~ | TAC | AAA | AAC | GAG | GAA | GAC | AAG | CTG - | AAG | GAC | TGG | GAG | GGT | GGT | 3 | 3146 |
| 321 | val | TIIT | TAL | тÃ2 | ASD | GIU | GIU | Asp | | | | Asp | Trp | Glu | | | | |
| | CTTC | Cλ m | CNC | CAC | 995 | ama | 200 | a a m | | 1000 | | · - | | | 1005 | | | |
| 324 | Leu | A C C | Clu | CAG | AGA | CIG | AGC | GCT | GAC | AGT | GGC | TAC | ATC | TTA | CCT | CTG | 3 | 3194 |
| 325 | пeп | usħ | GIU | | | ьец | ser | Ala | | | GLY | Tyr | Ile | | | Leu | | |
| J & J | | | | 1010 | | | | | 1015 | | | | | 1020 | | | | |

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/027,400

DATE: 05/08/2002

TIME: 09:15:22

Input Set : N:\Crf3\RULE60\10027400.raw
Output Set: N:\CRF3\05082002\J027400.raw

L:870 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:874 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:878 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:882 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:1493 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=14



A DOCPHOENIX

| APPL PARTS | NPL | CTNF |
|---------------------------------|--|----------------------------------|
| | Non-Patent Literature | Count Non-Final |
| IMIS | OATH | CTRS |
| Internal Misc. Paper | Oath or Declaration | Count Restriction |
| LET: | PET. | EXIN |
| Misc. Incoming Letter | Petition | Examiner Interview |
| 371P | RETMAIL | M903 |
| PCT Papers in a 371Application | Mail Returned by USPS | DO/EO Acceptance |
| Α | SEQLIST | M905 |
| Amendment Including Elections | Sequence Listing | DO/EO Missing Requirement |
| ABST | SPEC | NFDR |
| Abstract | Specification | Formal Drawing Required |
| ADS | SPEC NO | NOA |
| Application Data Sheet | Specification Not in English | Notice of Allowance |
| AF/D | TRNA | PETDEC |
| Affidavit or Exhibit Received | Transmittal New Application | Petition Decision |
| APPENDIX | The state of the s | 7 044071 0 00101011 |
| Appendix | | |
| ARTIFACT | OUTOONIO | |
| Artifact | OUTGOING | INCOMING |
| BIB | CTMS | AD D |
| Bib Data Sheet | Misc. Office Action | Appeal Brief |
| CLM | 1449 | C.AD |
| Claim | Signed 1449 | Change of Address |
| COMPUTER | 892 | N/AP |
| Computer Program Listing | 892 | Notice of Appeal |
| CRFL | ABN | PA |
| All CRF Papers for Backfile | Abandonment | Change in Power of Attorney |
| | | |
| DIST Terminal Disclaimer Filed | APDEC | REM |
| | Board of Appeals Decision | Applicant Remarks in Amendment |
| Drawings DRW | APEA | XT/ |
| | Examiner Answer | Extension of Time filed separate |
| Foreign Reference | CTAV | |
| • | Count Advisory Action | |
| FRPR Foreign Priority Papers | CTEQ | |
| | Count Ex parte Quayle | |
| IDS IDS Including 1449 | CTFR Count Final Rejection | File Wrapper |
| Do moldang 1440 | Count Final Rejection | |
| | | |
| Internal | ECBOX | FWCLM |
| memai | Evidence Copy Box Identification | File Wrapper Claim |
| SRNT | WCLM | |
| Examiner Search Notes | Claim Worksheet | File Wrapper Issue Information |
| CLMPTO | WFEE | |
| PTO Prepared Complete Claim Set | Fee Worksheet | SRFW File Wrapper Search Info |
| | | I PPOI COUNT HIN |